

ODW Harmful Algae Blooms Plan



Raven Jarvis
Office of Drinking Water

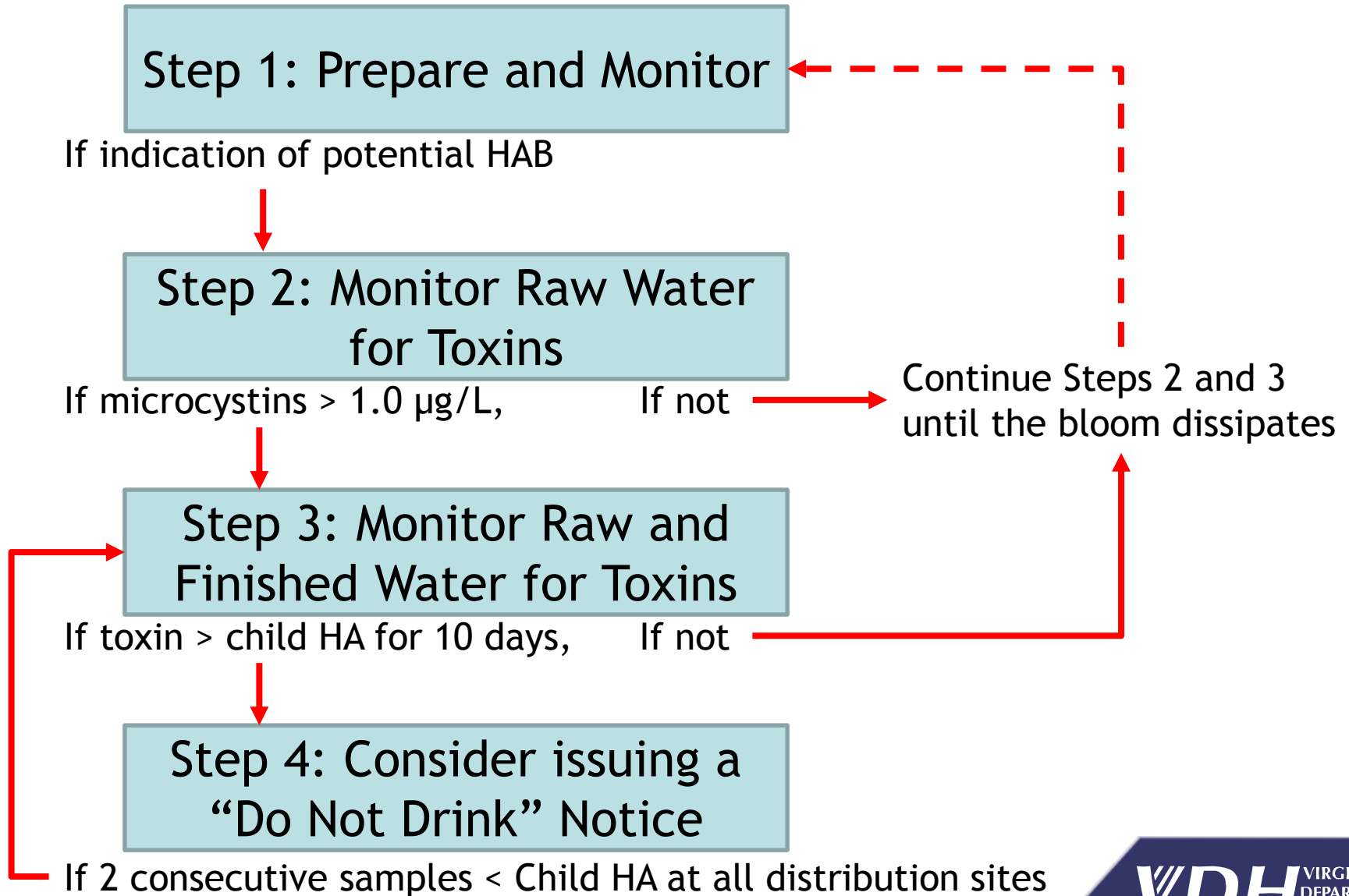
Photo Credit:
VIMS; Wolfgang Vogelbein

Virginia HAB Task Force

- Virginia Interagency group
- Monitors public water bodies
 - Routine sampling
 - HAB Hotline - 888-238-6154
 - [Online Reporting Form](#)
- Coordinates interagency bloom responses



Algal Bloom Response



Algal Bloom Response

Step 1: Prepare and Monitor

If indication of potential HAB

Step 2: Monitor Raw Water for Toxins

If microcystins > 1.0 µg/L

Step 3: Monitor Raw and Finished Water for Toxins

If toxin > child HA for 10 days

Step 4: Consider issuing a “Do Not Drink” Notice

If 2 consecutive samples < Child HA at all distribution sites

- Waterworks monitors for and report blooms
 - Visual
 - Analytical (pH)
- ODW shares HAB Task Force bloom reports

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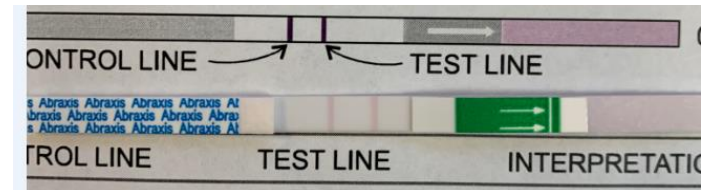
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- ODW may provide field test kits or assist with testing
- Field offices can leave the test strips with Waterworks



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- ODW may assist with sampling and analysis
- FO has bottles and dechlor
- FO coordinates with CO for analysis
- Sampling instructions:
Y:\05-Incidents\511-HAB Events\Cyanotoxin Lab Information

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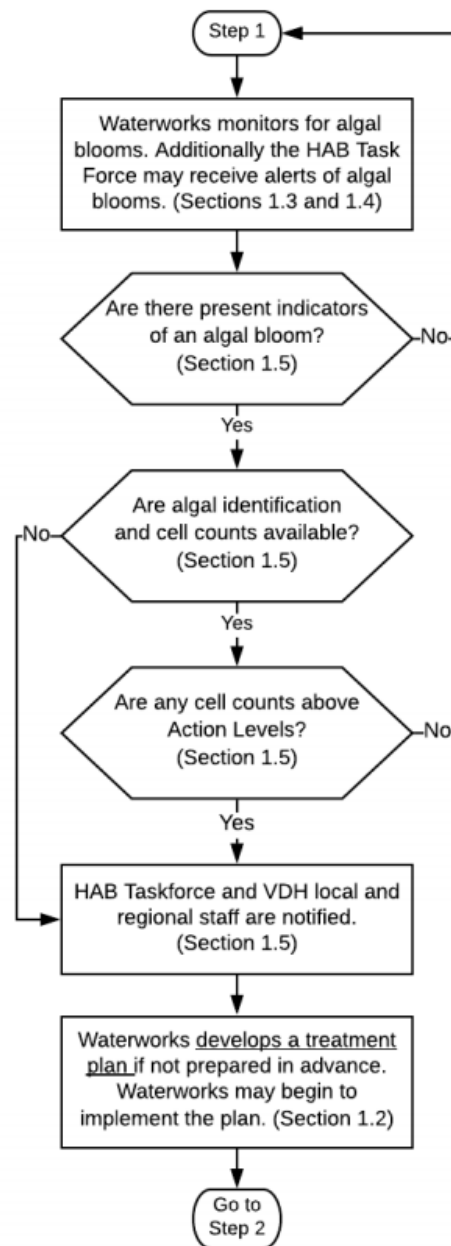
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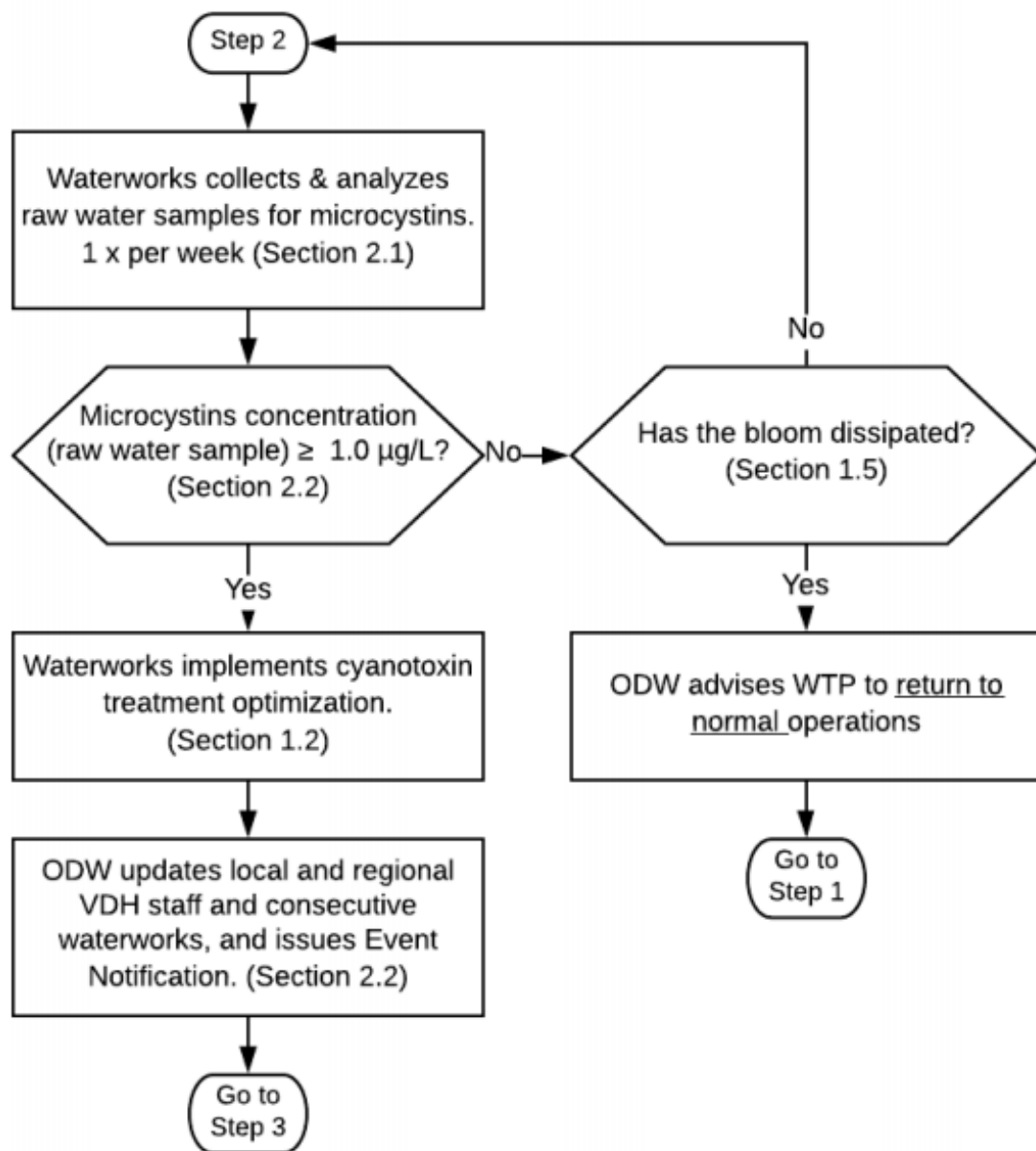
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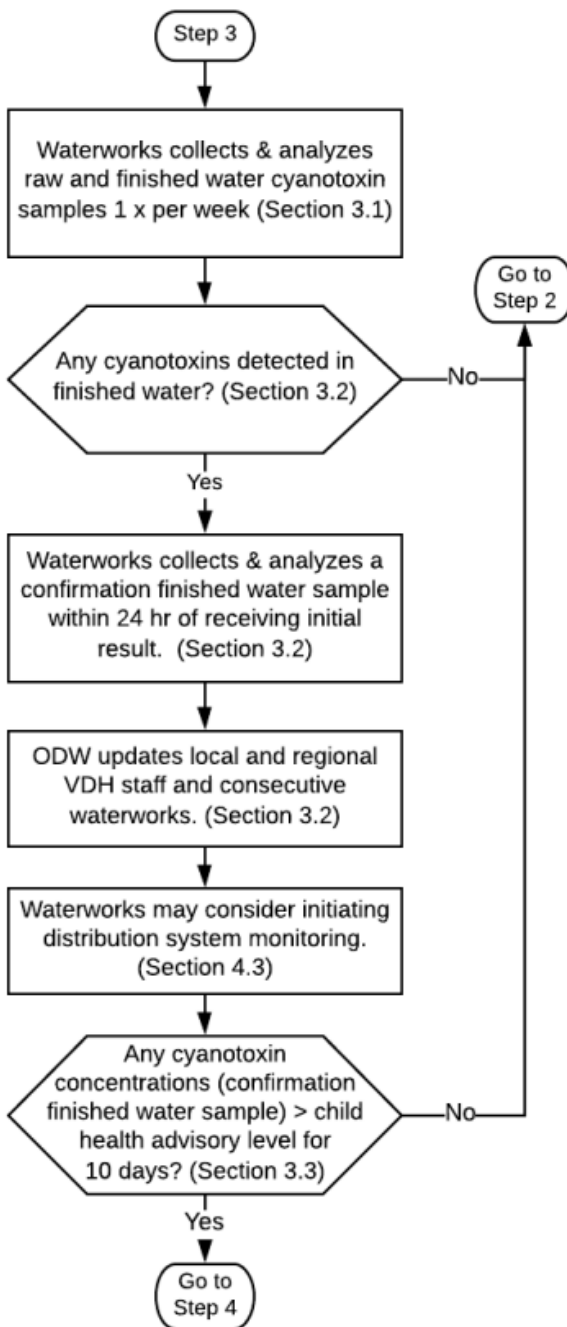
- FO will coordinate with the local health department director and the waterworks owner to recommend simple messaging - “Do Not Drink” if child HA exceeded > 10 days
- ODW recommends waterworks develop a distribution system monitoring plan

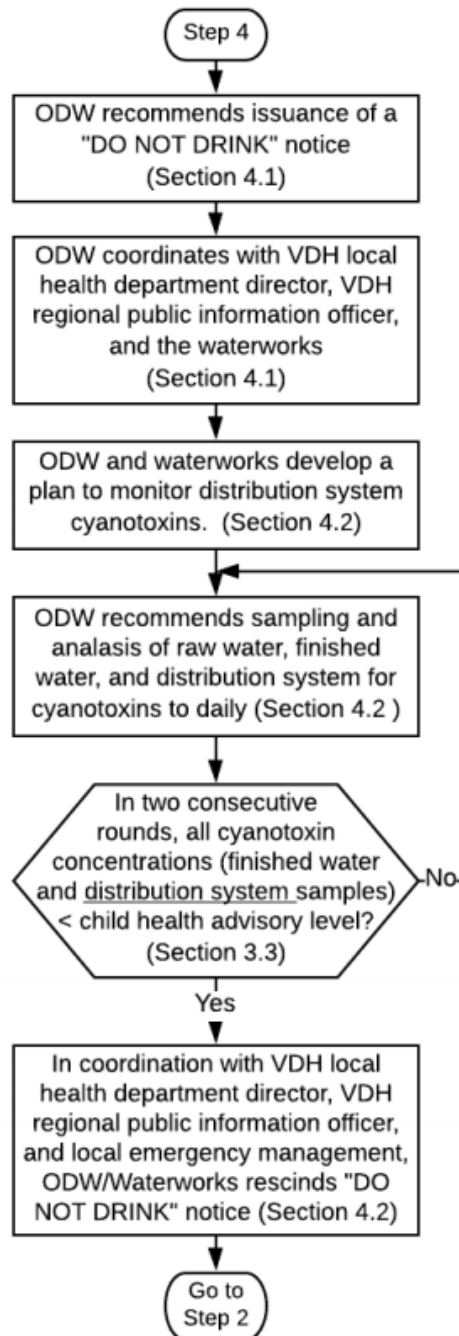
ODW HAB Plan

Y:\13-Manuals\03-Sampling Manual









Source Water Protection Measures

- Public education



- Agricultural and stormwater Best Management Practices



- Wastewater improvements



Questions?

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